Benchmarking with DVMP

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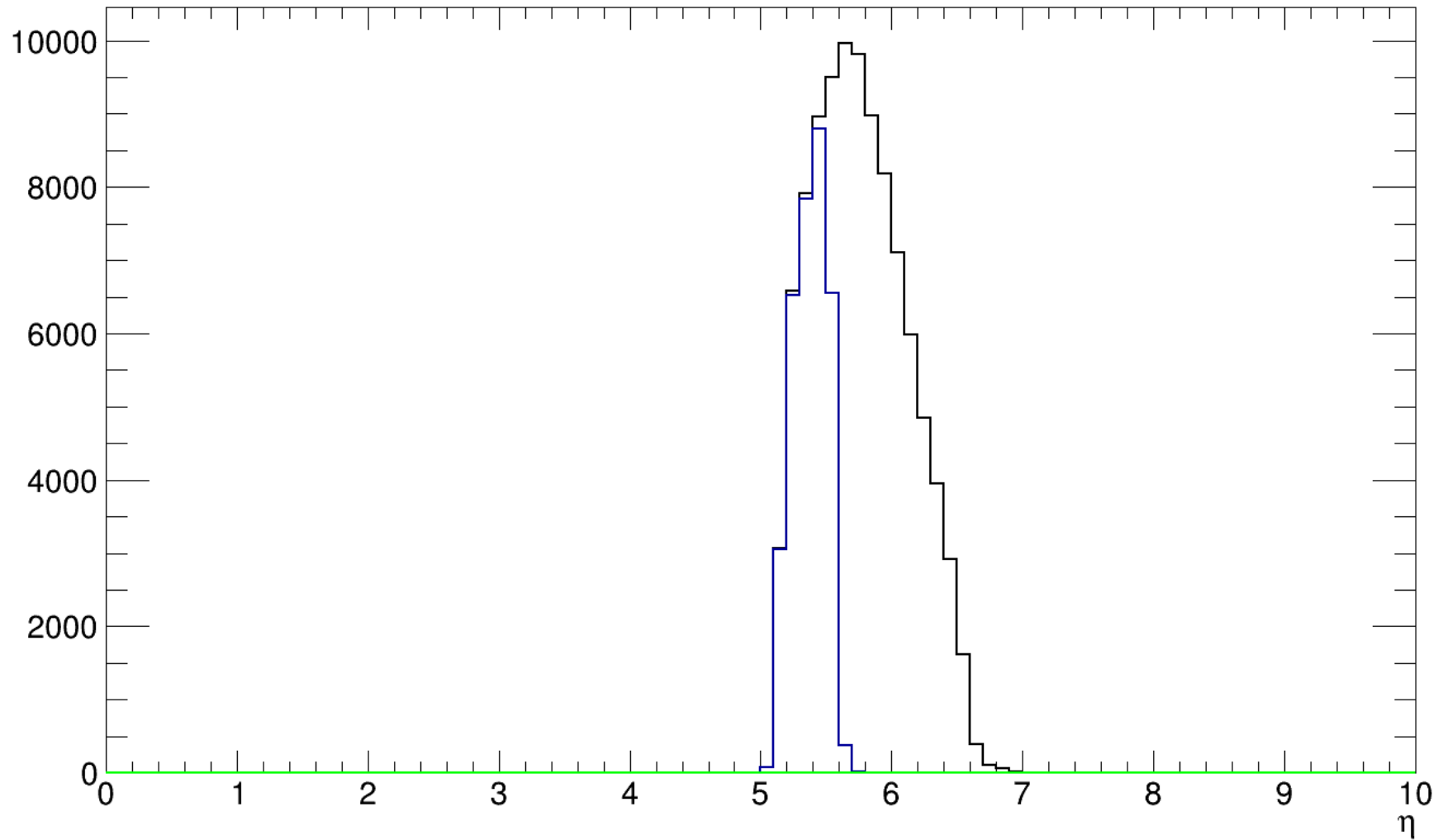05-20-2024
University of Glasgow

Files

- S3/eictest/EPIC/RECO/24.04.0/epic_craterlake/EXCLUSIVE/DVMP/EpIC1.0.0-1.1
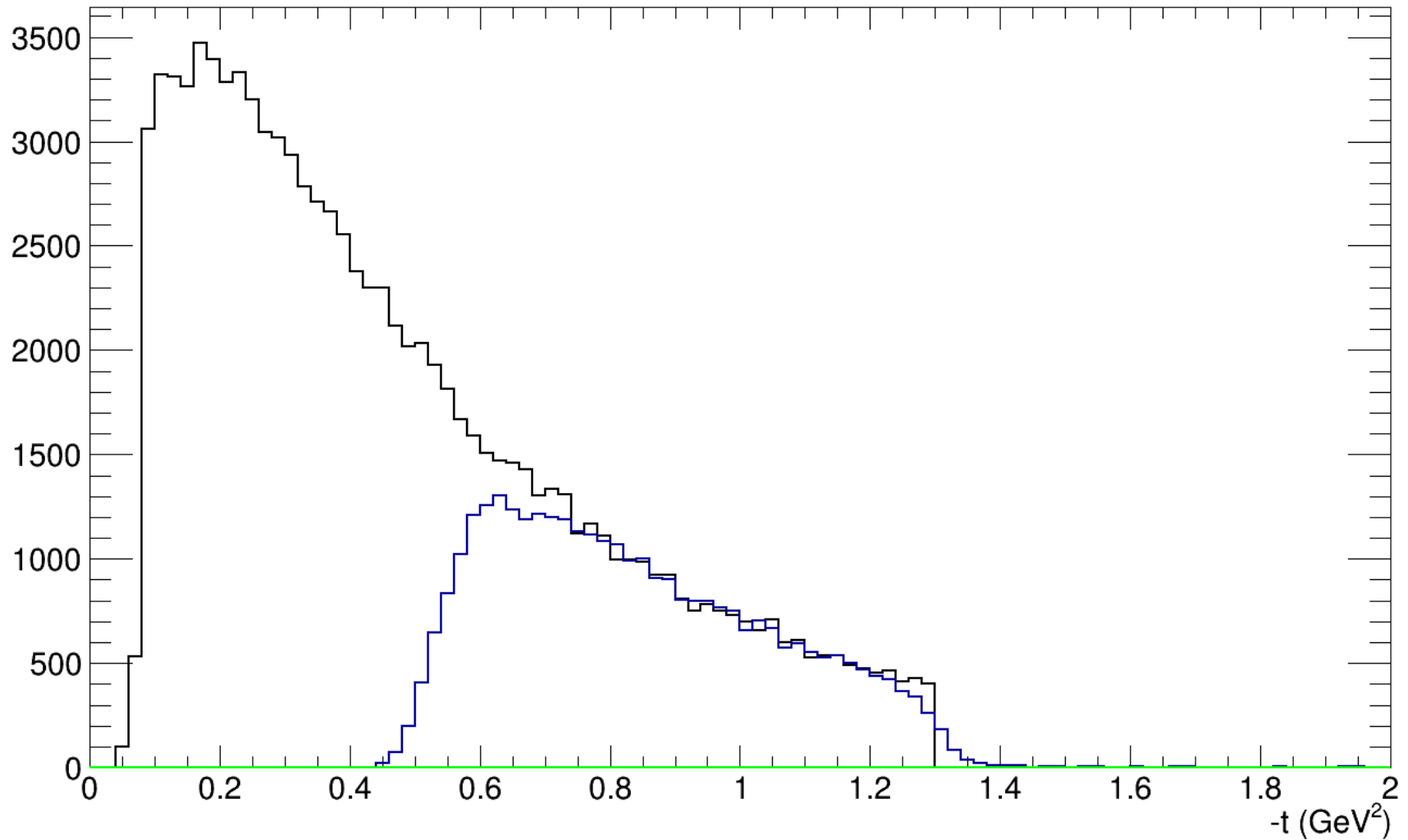
  The total size is about 2.5Gb.

- Generator files: github.com/eic/DVMPdataset

  EPIC generator (used with the Athena Proposal)

- Afterburned with ip6_hiacc_100x10 setting.
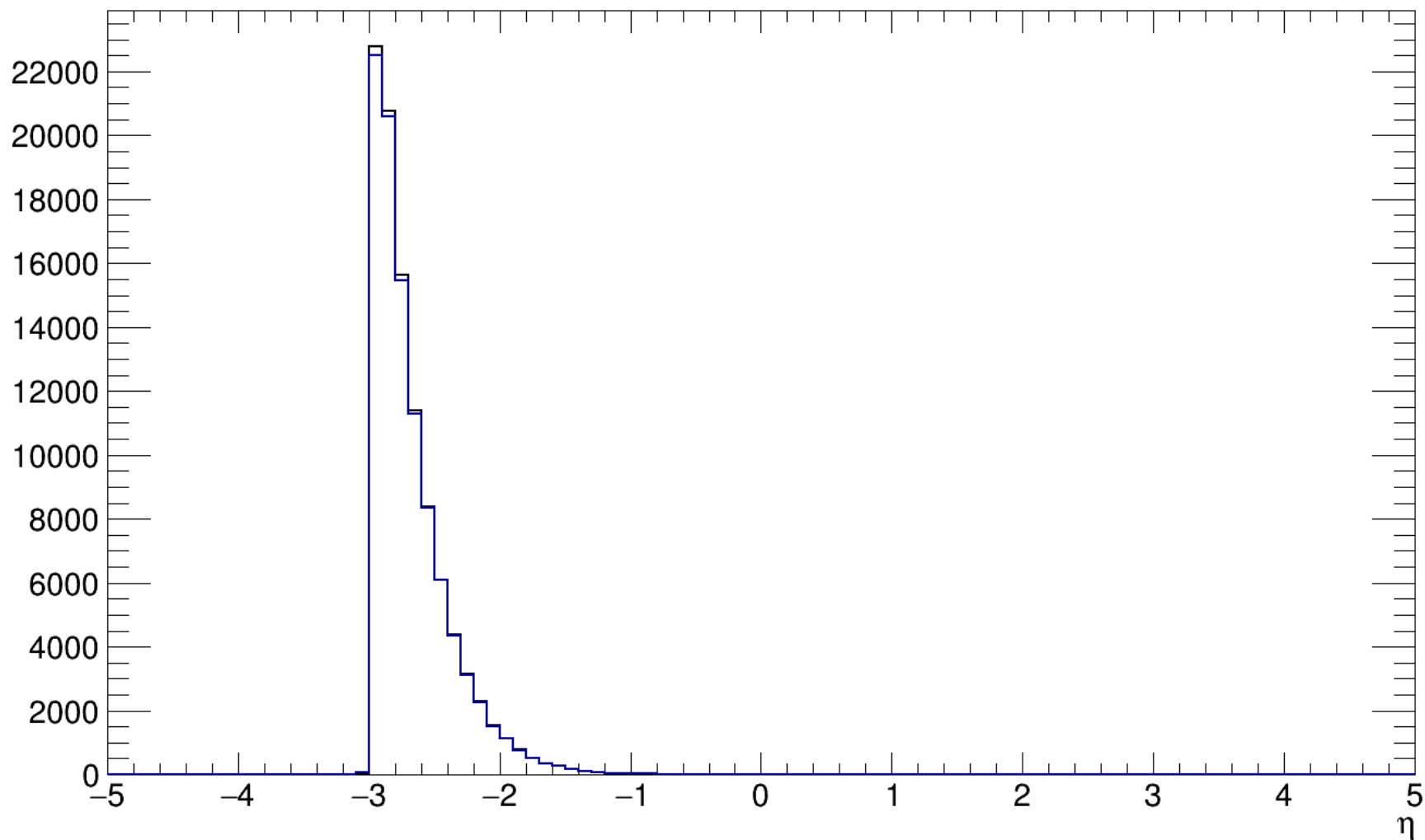
- 100k events have been generated.

Protons η

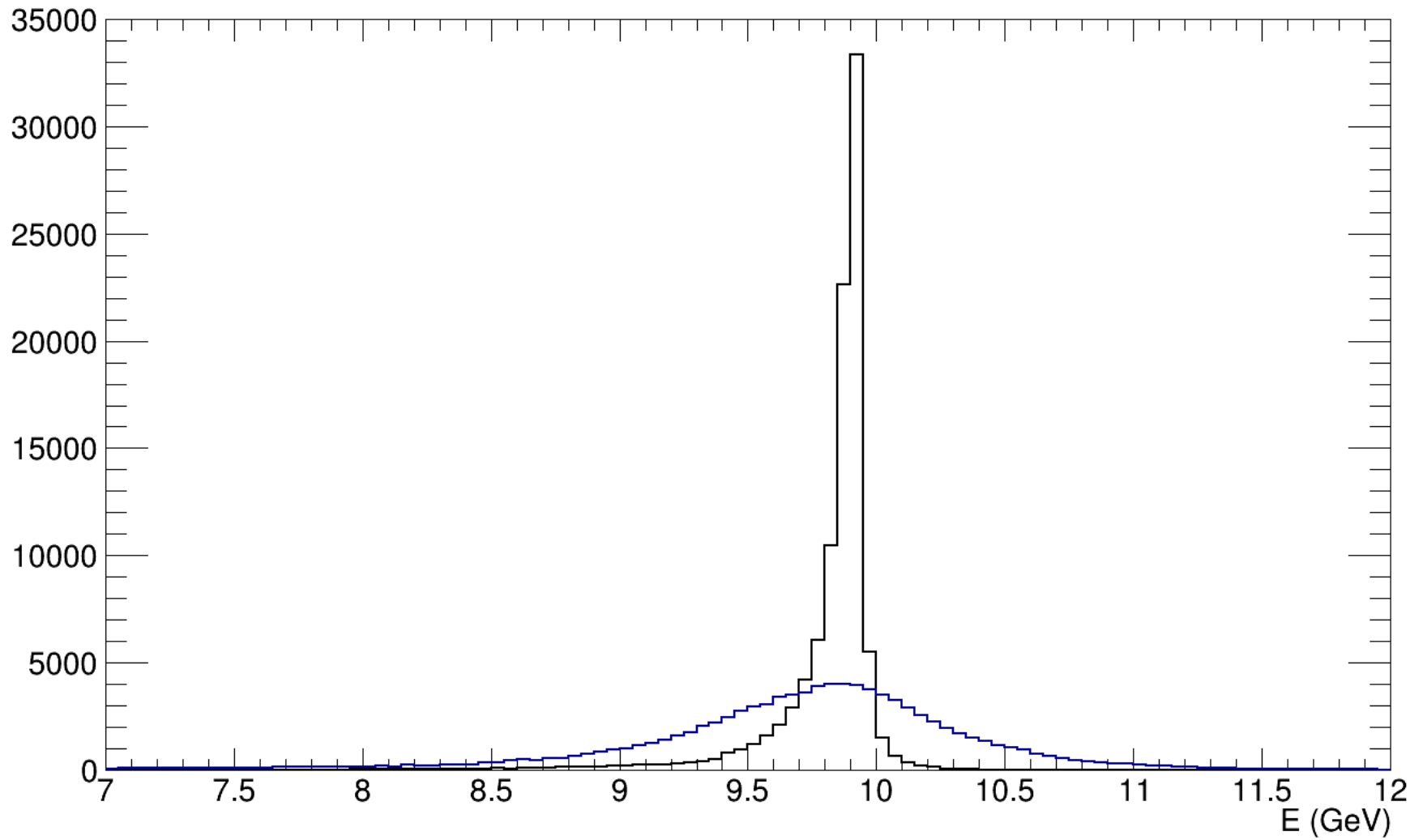Black: Generated   Blue: Reconstructed

2

Protons -t

Black: Generated   Blue: Reconstructed
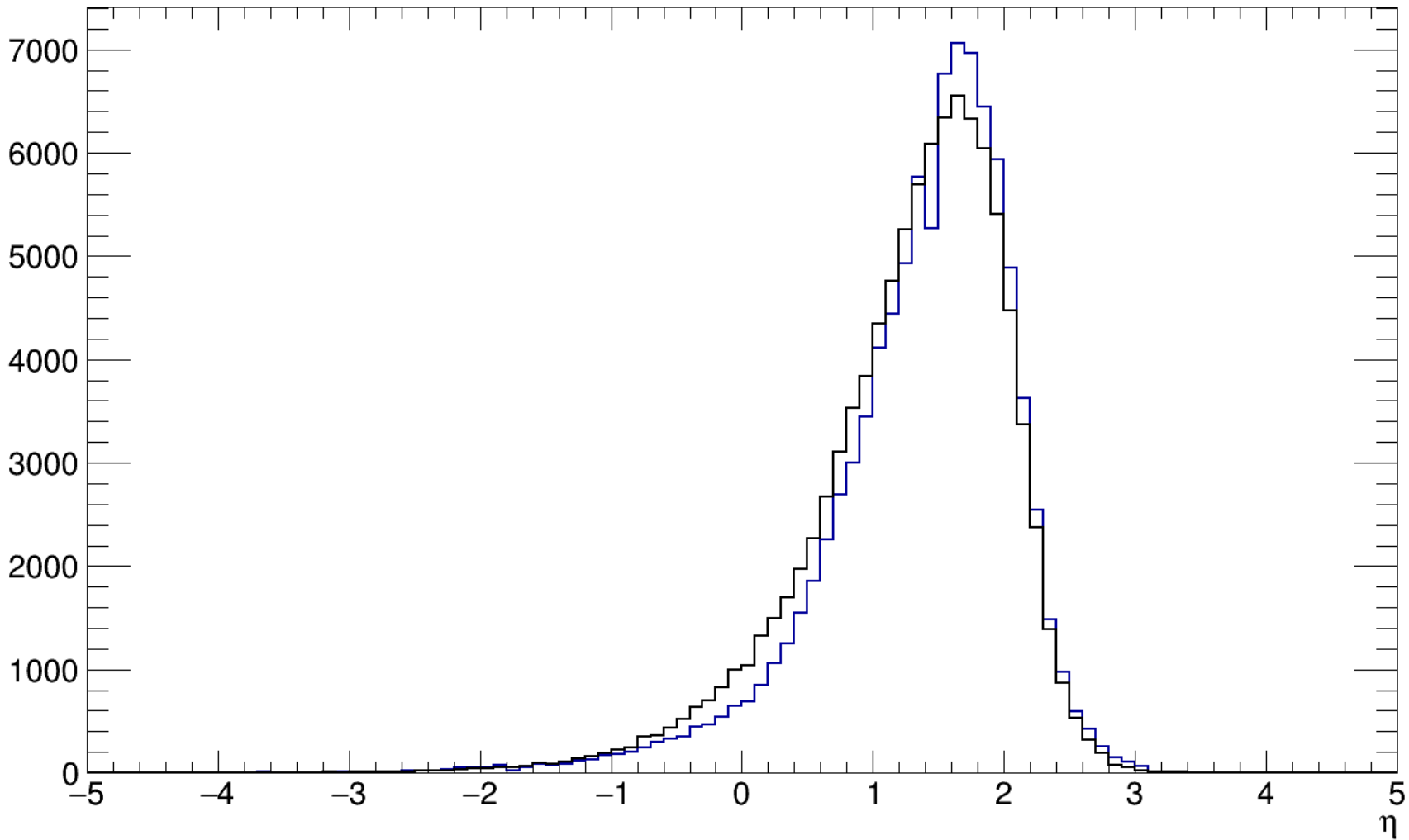
3

Electrons η

Black: Generated   Blue: Reconstructed
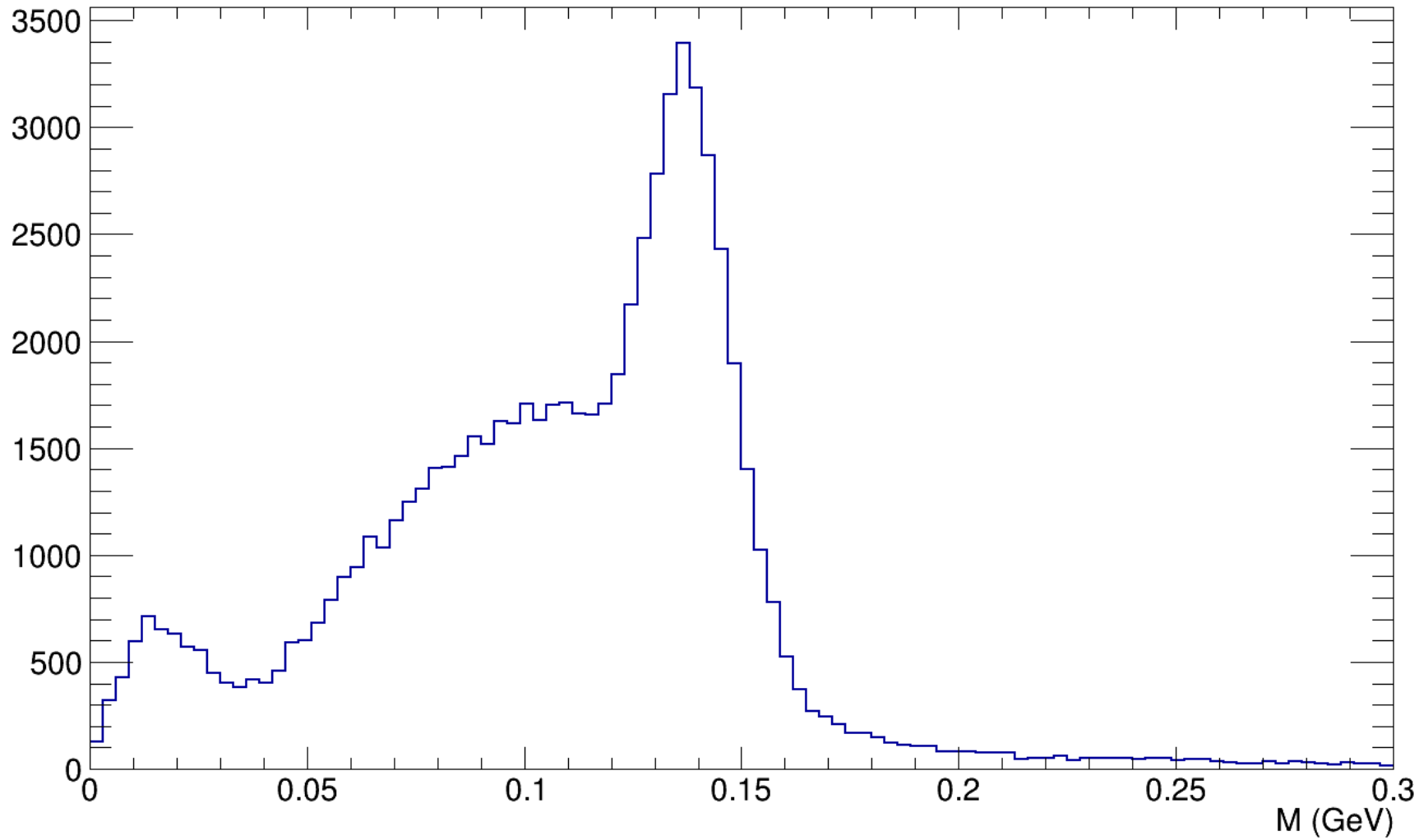
4

Electrons E

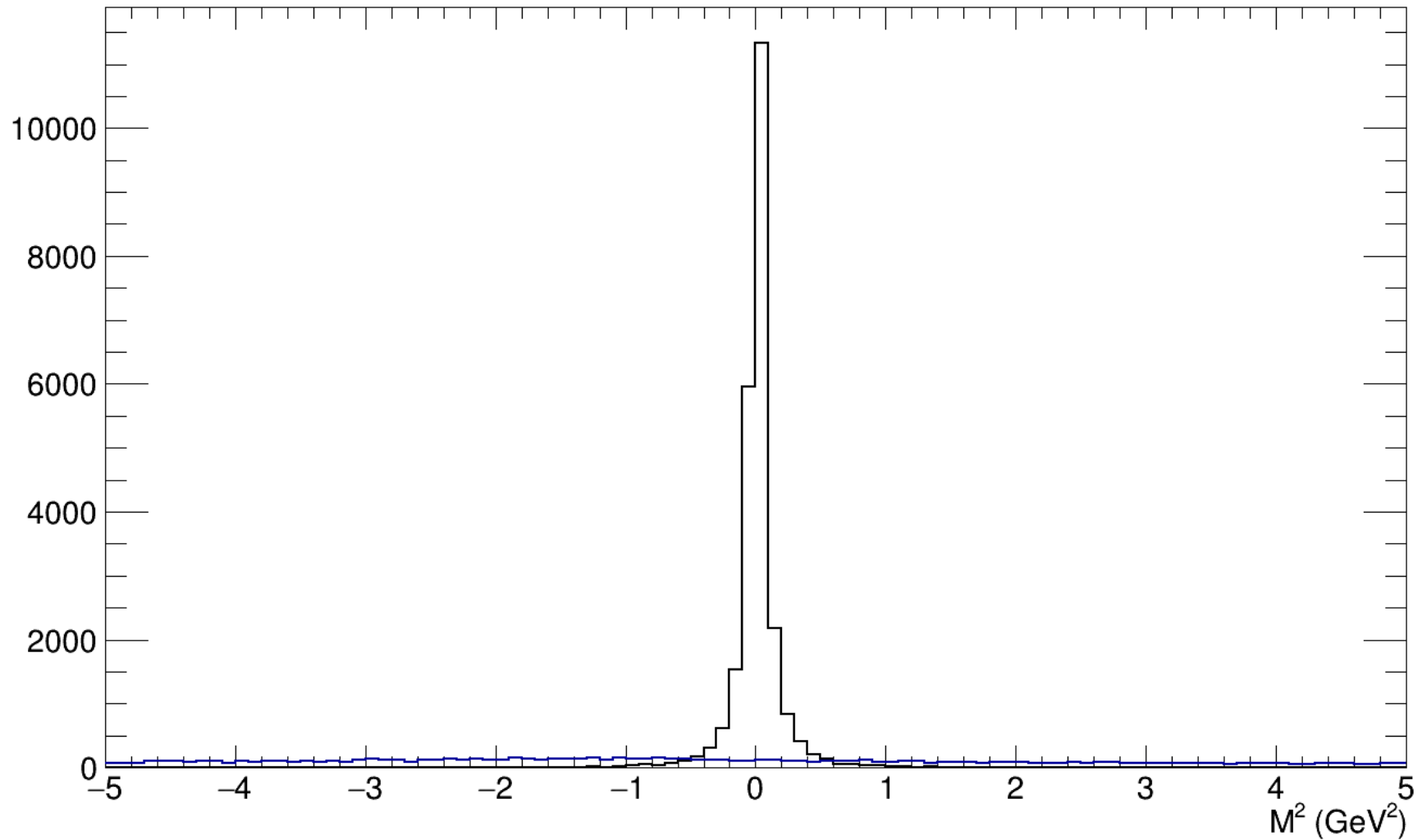Black: Generated   Blue: Reconstructed

Photons η

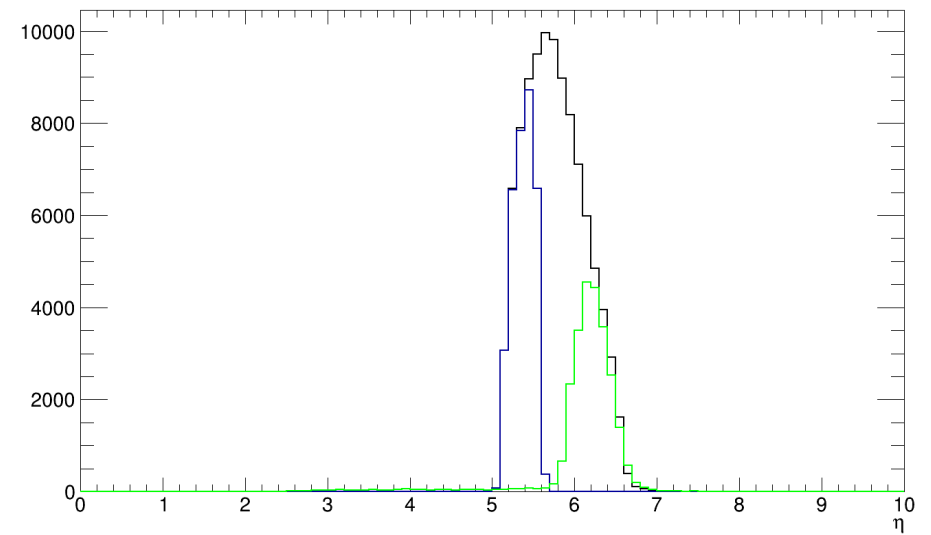Black: Generated   Blue: Reconstructed
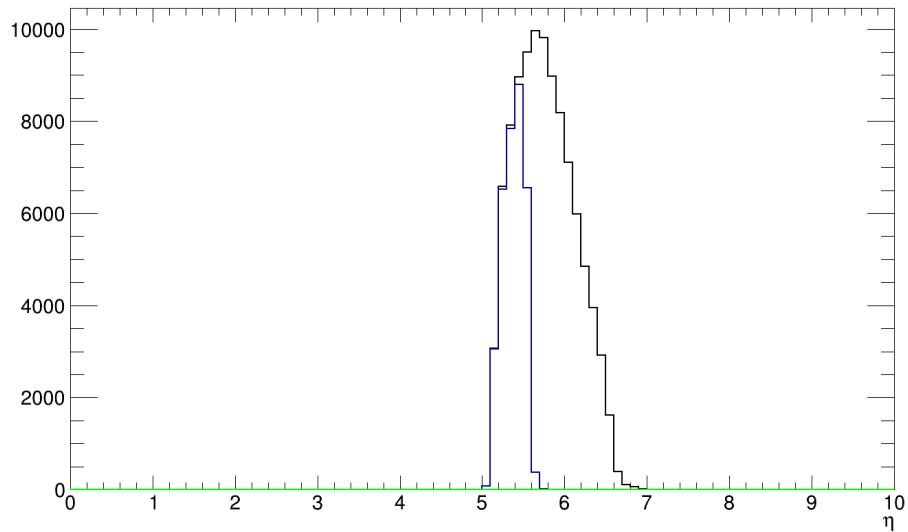
6

Pions invarant

Black: Generated   Blue: Reconstructed
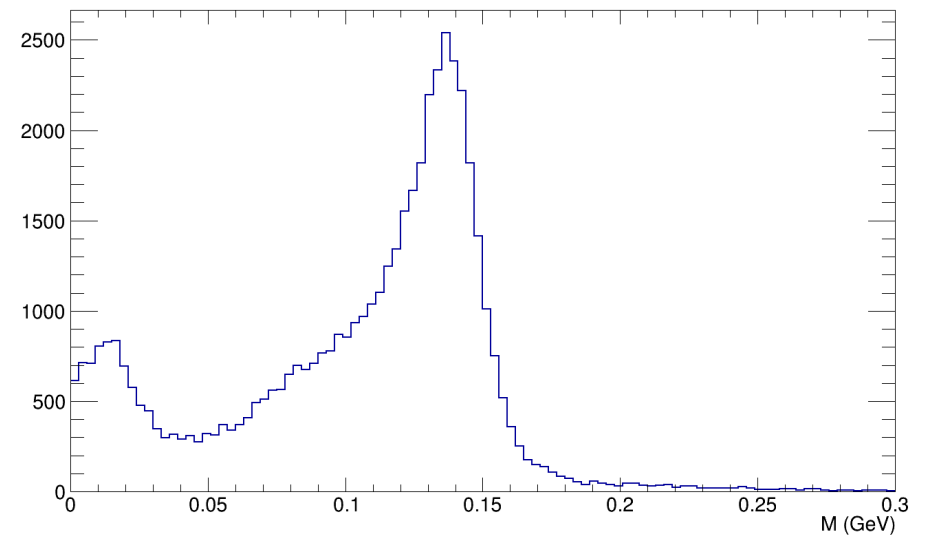
7
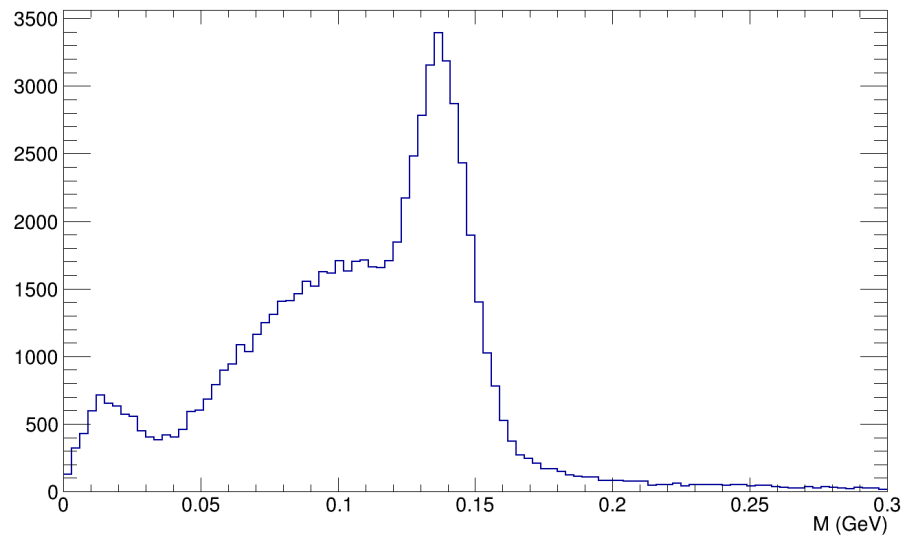
Pions missing^2

Black: Generated   Blue: Reconstructed

8

Protons η compared with the previous

Left: Current Right: Previous

Pions invarant compared with the previous

Left: Current Right: Previous